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(22) 2018.07.05

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C02F 1/30(2006.01)

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C02F 103/34(2006.01)

C02F 101/38(2006.01)

(43) 2018.11.13

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(72) 人

(74) 专 代

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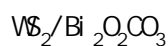
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(51) Int.Cl.

B01J 27/232(2006.01)

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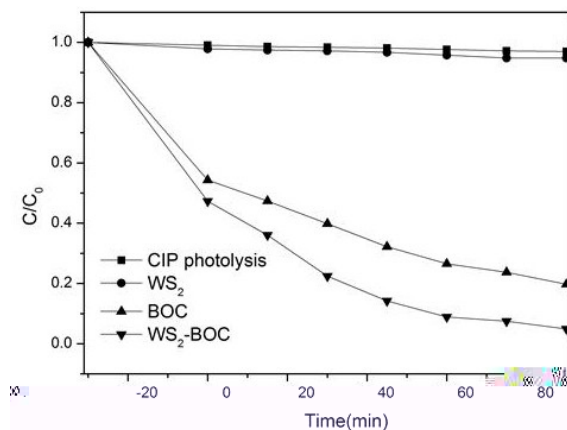


(57)

$WS_2/Bi_2O_2CO_3$
0.105mmol

WS_2 1mol /L HNO_3
A 4mmol $Bi(NO_3)_3 \cdot 5H_2O$
B

A
B
C pH 9
180 1h
60 12h $WS_2/$



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 $Bi_2O_2CO_3$
 $WS_2/Bi_2O_2CO_3$

1. $\text{VSe}_2/\text{Bi}_2\text{O}_2\text{CO}_3$
 S1 0.105mmol VSe_2 1mol /L HNO_3
 A
 S2 4mmol $\text{Bi}(\text{NO}_3)_3 \cdot 5\text{H}_2\text{O}$ A B
 S3 B C C pH
 9 180 1h
 60 12h $\text{VSe}_2/\text{Bi}_2\text{O}_2\text{CO}_3$

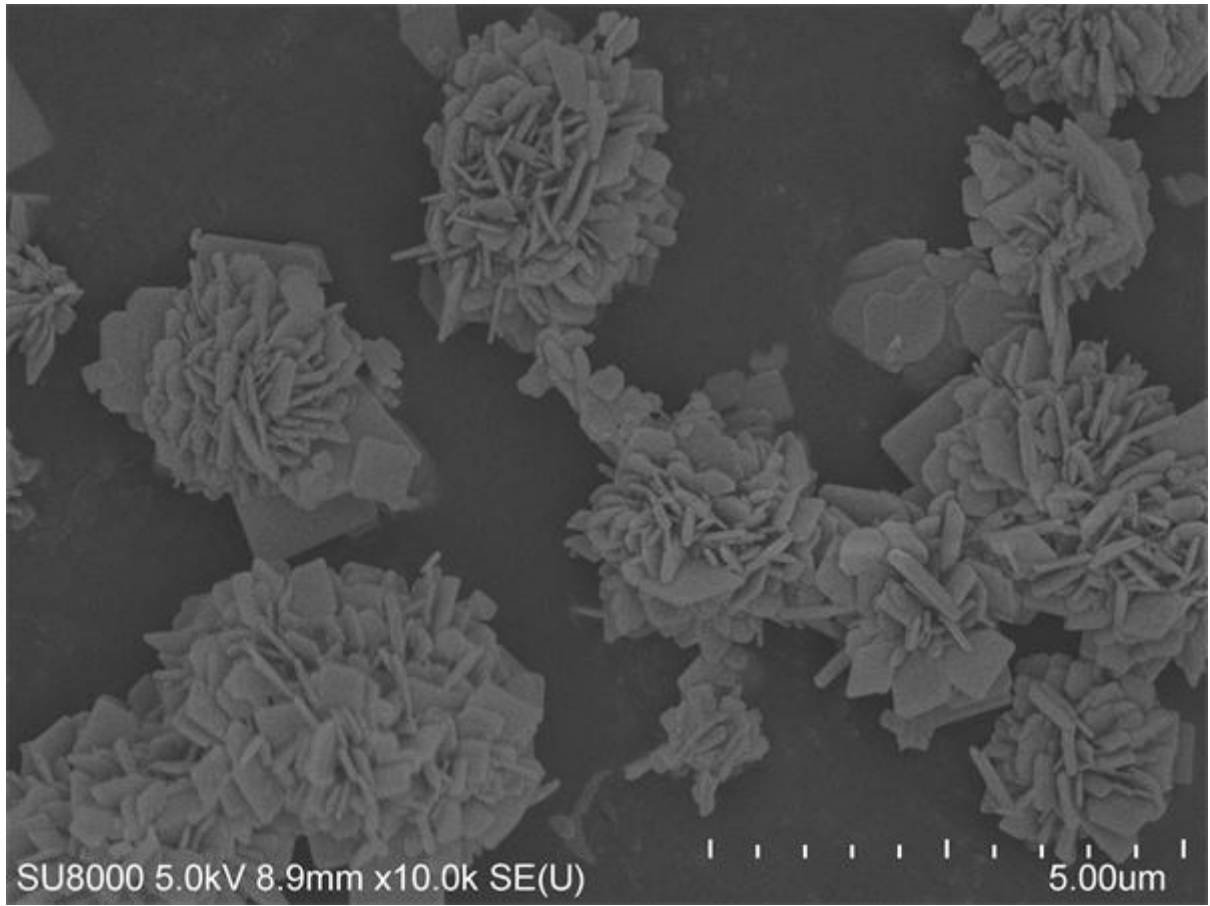
2. 1 $\text{VSe}_2/\text{Bi}_2\text{O}_2\text{CO}_3$

	—	$WS_2/Bi_2O_2CO_3$	催	
[0001]				$VS_2/Bi_2O_2CO_3$
[0002]				
		$Bi_2O_2CO_3$		$Bi_2O_2CO_3$
		$Bi_2O_2CO_3$		3.1 3.5eV $Bi_2O_2CO_3$
[0003]				
[0004]				VS_2 (1.8eV)
[0005]		$Bi_2O_2CO_3$		$VS_2/Bi_2O_2CO_3$
			CIP	
		$VS_2/Bi_2O_2CO_3$		
[0006]				$VS_2/Bi_2O_2CO_3$
		$VS_2/Bi_2O_2CO_3$		
[0007]				$VS_2/Bi_2O_2CO_3$
[0008]	S1	0.105mmol VS_2	1mol /L	HNO_3
	A			

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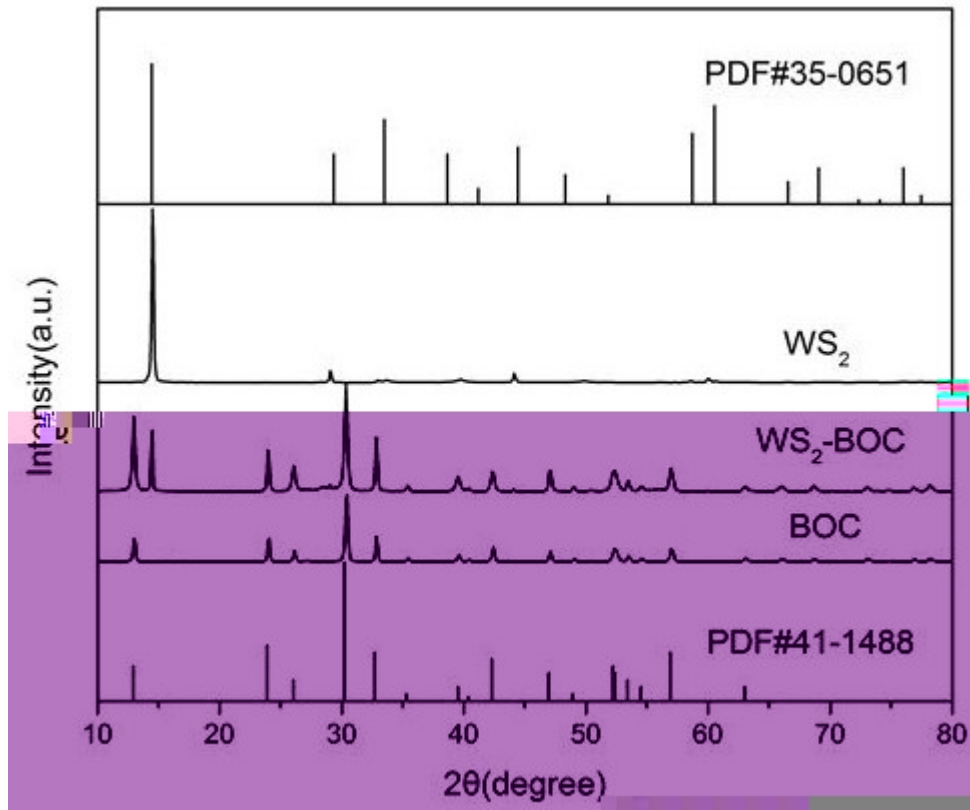
1488	V_2S_5	JCPDS no. 35 0651	$\text{V}_2\text{S}_5/\text{Bi}_2\text{O}_2\text{CO}_3$				
$\text{Bi}_2\text{O}_2\text{CO}_3$		14.3° 28.8° 43.9°	V_2S_5	$\text{Bi}_2\text{O}_2\text{CO}_3$			
V_2S_5							
[0027]	3	$\text{Bi}_2\text{O}_2\text{CO}_3$	V_2S_5	1	$\text{V}_2\text{S}_5/\text{Bi}_2\text{O}_2\text{CO}_3$	UV Vis	
DRS		$\text{Bi}_2\text{O}_2\text{CO}_3$			402nm	$\text{V}_2\text{S}_5/\text{Bi}_2\text{O}_2\text{CO}_3$	
						V_2S_5 $\text{Bi}_2\text{O}_2\text{CO}_3$	
[0028]	4	$\text{V}_2\text{S}_5/\text{Bi}_2\text{O}_2\text{CO}_3$	$\text{Bi}_2\text{O}_2\text{CO}_3$	1	$\text{V}_2\text{S}_5/\text{Bi}_2\text{O}_2\text{CO}_3$	PL	
		$\text{V}_2\text{S}_5/\text{Bi}_2\text{O}_2\text{CO}_3$			$\text{Bi}_2\text{O}_2\text{CO}_3$		
		$\text{V}_2\text{S}_5/\text{Bi}_2\text{O}_2\text{CO}_3$			$\text{Bi}_2\text{O}_2\text{CO}_3$		
[0029]	5	1	$\text{V}_2\text{S}_5/\text{Bi}_2\text{O}_2\text{CO}_3$			HRTEM	HRTEM
			0.62nm	0.27nm		002	V_2S_5
110	$\text{Bi}_2\text{O}_2\text{CO}_3$				V_2S_5	$\text{Bi}_2\text{O}_2\text{CO}_3$	
[0030]	2						
[0031]		Cl P					500W
		10mg/L	Cl P		40mg	1	$\text{V}_2\text{S}_5/$
$\text{Bi}_2\text{O}_2\text{CO}_3$				40mL	Cl P		3mi n
	Cl P				HXSEI		30mi n

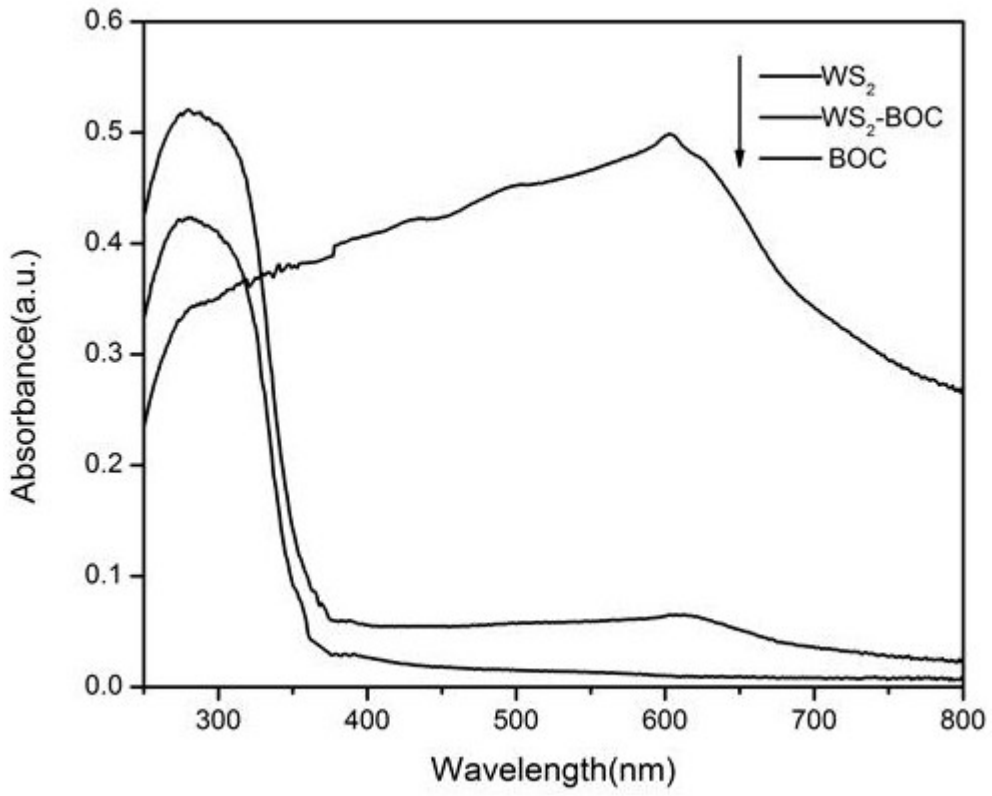
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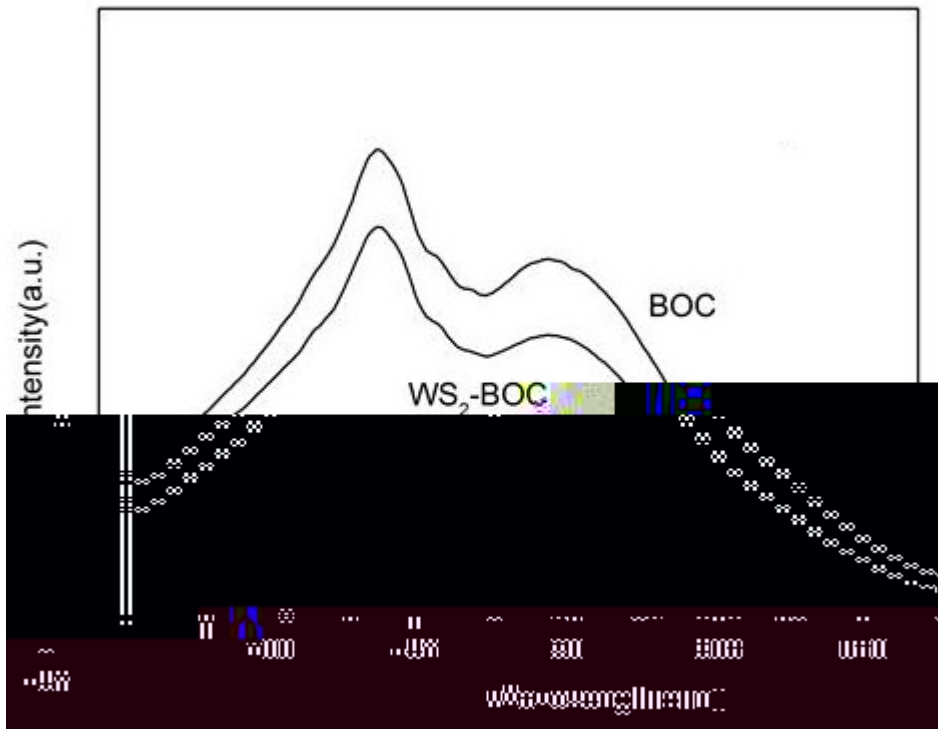
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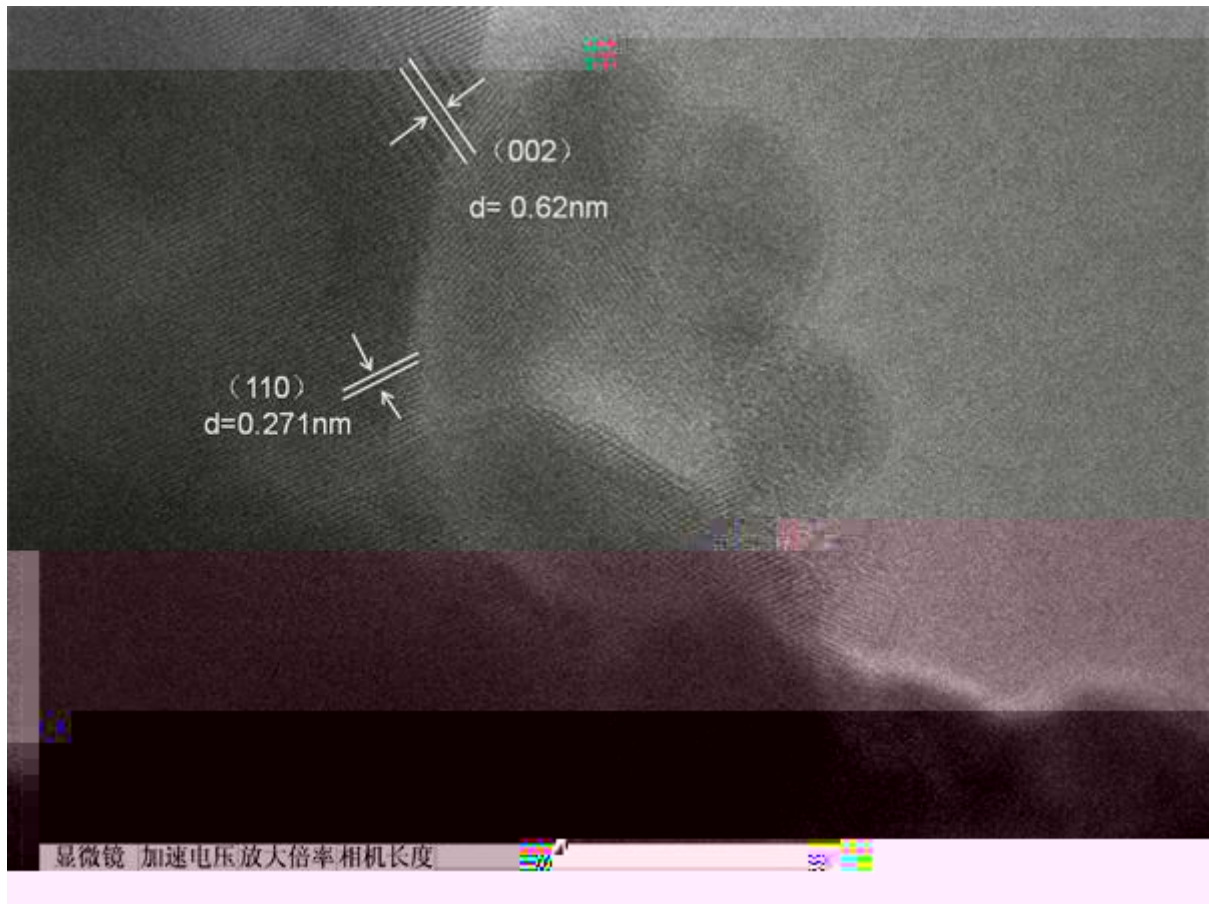


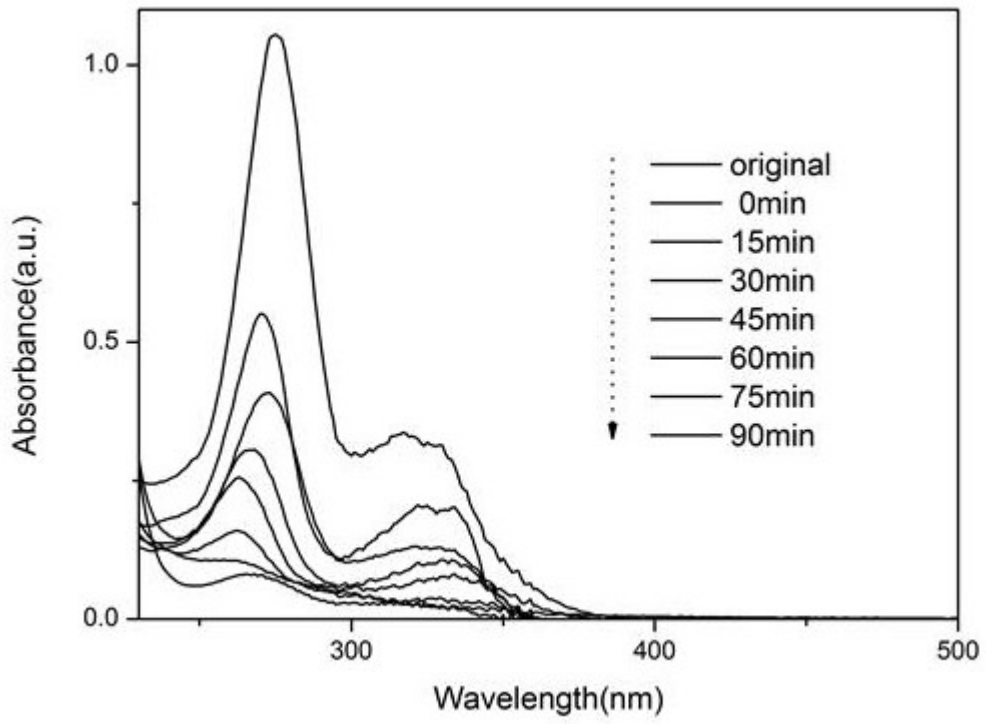
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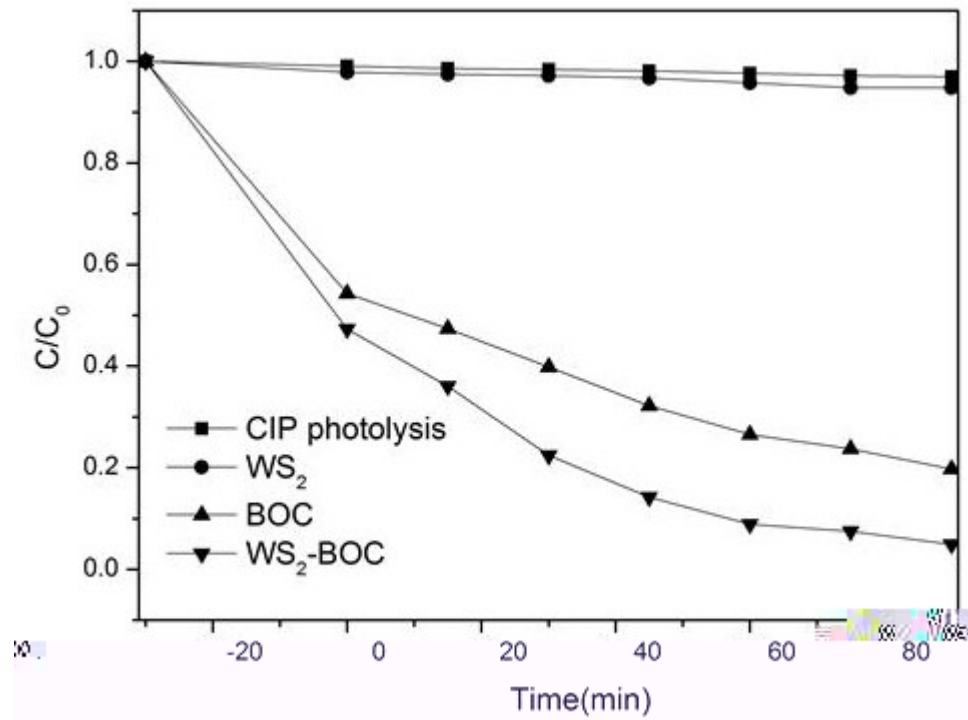
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